

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A computer system, comprising:
a CPU;
a battery subsystem; and
an AC adapter coupled to said CPU and said battery subsystem, said adapter regulating its output voltage for variations in output current until said output current reaches a threshold above which said adapter regulates its output power to an approximately constant level and said approximately constant power level is maintained at all times while said output current exceeds said threshold.
2. (Original) The system of claim 1 wherein said adapter regulates its output power by reducing its output voltage.
3. (Original) The system of claim 1 wherein said adapter includes a transformer and a power control circuit coupled to a voltage feedback circuit, said voltage feedback circuit provides a feedback signal to the transformer to regulate the output voltage from the adapter, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold.
4. (Currently amended) A computer system, comprising:
a CPU;
a battery subsystem;
an AC adapter coupled to said CPU and said battery subsystem, said
adapter regulating its output voltage for variations in output current
until said output current reaches a threshold above which said

adapter regulates its output power to an approximately constant level;

wherein said adapter includes a transformer and a power control circuit coupled to a voltage feedback circuit, said voltage feedback circuit provides a feedback signal to the transformer to regulate the output voltage from the adapter, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold;

~~The system of claim 3~~ wherein said power control circuit responds to changes in current more slowly than said voltage feedback circuit responds to changes in voltage.

5. (Currently amended) A computer system, comprising:
a CPU;
a battery subsystem;
a means for regulating an AC adapter's output voltage; and
a means for regulating an AC adapter's output power at an approximately constant power level when the adapter's output current exceeds a threshold;
wherein said approximately constant power level is maintained at all times while said output current exceeds said threshold.

6. (Original) The system of claim 5 wherein said means for regulating the output power includes a means for causing the output voltage to be reduced as output current increases.

7. (Currently amended) A computer system, comprising:
a CPU;
a battery subsystem;
a means for regulating an AC adapter's output voltage; and

a means for regulating an AC adapter's output power when the adapter's output current exceeds a threshold;

~~The system of claim 5~~ wherein said means for regulating an AC adapter's output power responds to changes in output current more slowly than said means for regulating an AC adapter's output voltage responds to changes in voltage.

8. (Currently amended) An AC adapter, comprising:
an output voltage regulator which regulates the output voltage of said adapter to an approximately constant level if the adapter's output current is below a threshold; and
a power regulator coupled to said output voltage regulator, said power regulator regulates the output power of said adapter at an approximately constant power level at all times when said output current exceeds said threshold.
9. (Original) The adapter of claim 8 wherein said power regulator regulates the output power by causing the voltage regulator to reduce the output voltage.
10. (Original) The adapter of claim 8 wherein said adapter further includes a transformer and said voltage regulator provides a feedback signal to the transformer to cause the output voltage from the adapter to be a certain voltage, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold.
11. (Currently amended) An AC adapter, comprising:
an output voltage regulator which regulates the output voltage of said adapter to an approximately constant level if the adapter's output current is below a threshold; and

a power regulator coupled to said output voltage regulator, said power regulator regulates the output power of said adapter when said output current exceeds said threshold;

wherein said adapter further includes a transformer and said voltage regulator provides a feedback signal to the transformer to cause the output voltage from the adapter to be a certain voltage, and said power control circuit causes said voltage feedback circuit to cause a reduction in the adapter's output voltage when said output current exceeds said threshold;

~~The power regulator of claim 10 wherein said power regulator responds to changes in current more slowly than said voltage regulator responds to changes in voltage.~~

12. (Currently amended) An AC adapter, comprising:
a means for regulating an AC adapter's output voltage; and
a means for regulating an AC adapter's output power at an approximately constant power level at all times when the adapter's output current exceeds a threshold.

13. (Original) The adapter of claim 12 wherein said means for regulating the output power includes a means for causing the output voltage to be reduced as output current increases.

14. (Currently amended) An AC adapter, comprising:
a means for regulating an AC adapter's output voltage; and
a means for regulating an AC adapter's output power when the adapter's output current exceeds a threshold;

~~The adapter of claim 5 wherein said means for regulating an AC adapter's output power responds to changes in output current more slowly than said means for regulating an AC adapter's output voltage responds to changes in voltage.~~

15. (Currently amended) A method of adjusting power load in a computer system including an AC adapter which ~~concerts~~converts AC voltage to DC voltage for use of a plurality of loads, said method comprising:

- (a) regulating the output voltage of an AC adapter to an approximately constant level as long as the adapter's output current is less than a threshold;
- (b) reducing the output voltage of the adapter at all times when said output current exceeds said threshold;
- (c) detecting a reduction in adapter output voltage; and
- (d) throttling back a load in response to the reduction in voltage.

16. (Original) The method of claim 15 wherein (d) includes reducing the charge current through a rechargeable battery.

17. (Original) The method of claim 15 wherein (d) includes reducing the clock frequency of a processor.

18. (Original) The method of claim 15 wherein (d) includes reducing the brightness of a display.

19. (Withdrawn) A method of adjusting power load in a computer system including an AC adapter which ~~concerts~~ AC voltage to DC voltage for use of a plurality of loads, said method comprising:

- (a) a step for regulating the output voltage of an AC adapter to an approximately constant level as long as the adapter's output current is less than a threshold;
- (b) a step for reducing the output voltage of the adapter when said output current exceeds said threshold;
- (c) a step for detecting a reduction in adapter output voltage; and
- (d) a step for throttling back a load in response to the reduction in voltage.

20. (Withdrawn) The method of claim 19 wherein said load in (d) includes a battery charger.

21. (Withdrawn) The method of claim 19 wherein said load in (d) includes a processor.

22. (Withdrawn) The method of claim 19 wherein said load in (d) includes a display.

23. (New) The system of claim 1, wherein said output current is inversely proportional to said output voltage at all times while said output current exceeds said threshold.

24. (New) The system of claim 5, wherein said output current is inversely proportional to said output voltage at all times while said output current exceeds said threshold.

25. (New) The adapter of claim 8, wherein said output current is inversely proportional to said output voltage at all times while said output current exceeds said threshold.

26. (New) The adapter of claim 12, said output current is inversely proportional to said output voltage at all times while said output current exceeds said threshold.